

**Table A-5.3. Employed scientists, engineers, technicians (SETs), and SET managers,
in SICs 33-39 (selected manufacturing industries, continued),
and the relative standard error: 1998**

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Blast furnace and basic steel products (SIC 3310)			
Scientific and technical personnel	12,670	5.6	(nc)
Scientists	2,060	0.9	(nc)
Physical scientists.....	680	0.3	(nc)
Chemists.....	360	0.2	6
All other physical scientists.....	320	0.1	2
Computer analysts.....	1,380	0.6	(nc)
Managers of scientific and technical personnel	870	0.4	2
Engineers	6,260	2.8	(nc)
Computer.....	440	0.2	6
Electrical/electronics.....	610	0.3	1
Industrial.....	750	0.3	3
Mechanical.....	1,060	0.5	2
Metallurgical/metallurgists.....	1,370	0.6	4
Safety.....	240	0.1	8
Sales.....	230	0.1	5
Other, n.e.c.....	1,560	0.7	(nc)
Technicians	3,480	1.5	(nc)
Computer programmer.....	400	0.2	9
Drafter.....	400	0.2	3
Electrical/electronics engineering technician.....	600	0.3	13
Mechanical engineering technicians.....	250	0.1	3
All other engineering technicians.....	910	0.4	(nc)
Physical and life science technicians.....	920	0.4	(nc)
Chemical technicians, except health.....	780	0.3	4
All other physical and life science technicians.....	140	0.1	0
Iron and steel foundries (SIC 3320)			
Scientific and technical personnel	4,830	3.7	(nc)
Scientists	240	0.2	(nc)
Physical scientists.....	110	0.1	(nc)
All other physical scientists.....	110	0.1	(nc)
Computer analysts.....	130	0.1	9
Managers of scientific and technical personnel	400	0.3	4

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Iron and steel foundries (SIC 3320) -- continued:			
Engineers.....	2,760	2.1	(nc)
Computer.....	50	<	5
Electrical/electronics.....	60	0.1	2
Industrial.....	570	0.4	2
Mechanical.....	440	0.3	1
Metallurgical/metallurgists.....	560	0.4	3
Safety.....	110	0.1	4
Sales.....	360	0.3	8
Other, n.e.c.....	610	0.5	(nc)
Technicians.....	1,430	1.1	(nc)
Computer programmer.....	130	0.1	3
Drafter.....	280	0.2	4
Electrical/electronics engineering technician.....	190	0.2	1
Mechanical engineering technicians.....	150	0.1	4
All other engineering technicians.....	450	0.3	(nc)
Physical and life science technicians.....	230	0.2	(nc)
Chemical technicians, except health.....	160	0.1	3
All other physical and life science technicians.....	70	0.1	2
Primary nonferrous metals (SIC 3330)			
Scientific and technical personnel.....	3,840	10	(nc)
Scientists.....	410	1.1	(nc)
Physical scientists.....	230	0.6	(nc)
Chemists.....	170	0.4	4
All other physical scientists.....	60	0.2	0
Computer analysts.....	180	0.5	(nc)
Managers of scientific and technical personnel.....	190	0.5	1
Engineers.....	1,740	4.5	(nc)
Computer.....	160	0.4	0
Electrical/electronics.....	200	0.5	1
Industrial.....	120	0.3	0
Mechanical.....	330	0.9	0
Metallurgical/metallurgists.....	210	0.6	3
Safety.....	120	0.3	0
Sales.....	40	0.1	5
Other, n.e.c.....	560	1.5	0

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Primary nonferrous metals (SIC 3330) -- continued:			
Technicians.....	1,500	3.9	(nc)
Computer programmer.....	40	0.1	0
Drafter.....	220	0.6	0
Electrical/electronics engineering technician.....	100	0.3	0
Mechanical engineering technicians.....	40	0.1	0
All other engineering technicians.....	250	0.7	(nc)
Physical and life science technicians.....	850	2.2	(nc)
Chemical technicians, except health.....	630	1.6	<
All other physical and life science technicians.....	220	0.6	(nc)
Secondary nonferrous metals (SIC 3340)			
Scientific and technical personnel.....	870	5.3	(nc)
Scientists.....	240	1.5	(nc)
Physical scientists.....	170	1	1
Chemists.....	170	1	1
Computer analysts.....	70	0.4	(nc)
Managers of scientific and technical personnel.....	60	0.4	4
Engineers.....	260	1.6	(nc)
Mechanical.....	30	0.2	14
Metallurgical/metallurgists.....	110	0.7	5
Other, n.e.c.....	120	0.7	(nc)
Technicians.....	310	1.9	(nc)
All other engineering technicians.....	110	0.7	(nc)
Physical and life science technicians.....	200	1.2	(nc)
Chemical technicians, except health.....	150	0.9	15
All other physical and life science technicians.....	50	0.3	0
Nonferrous rolling and drawing (SIC 3350)			
Scientific and technical personnel.....	12,260	7.2	(nc)
Scientists.....	1,640	1	(nc)
Physical scientists.....	340	0.2	(nc)
Chemists.....	220	0.1	1
All other physical scientists.....	120	0.1	1
Life scientists.....	120	0.1	(nc)
All other life scientists.....	120	0.1	(nc)
Social scientists.....	160	0.1	(nc)
All other social scientists.....	160	0.1	(nc)
Computer analysts.....	1,020	0.6	2

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Nonferrous rolling and drawing (SIC 3350) -- continued:			
Managers of scientific and technical personnel.....	1,180	0.7	2
Engineers.....	6,280	3.7	(nc)
Computer.....	80	0.1	4
Electrical/electronics.....	520	0.3	3
Industrial.....	1,410	0.8	2
Mechanical.....	740	0.4	4
Metallurgical/metallurgists.....	590	0.4	2
Safety.....	210	0.1	3
Sales.....	370	0.2	5
Other, n.e.c.....	2,360	1.4	(nc)
Technicians.....	3,160	1.9	(nc)
Computer programmer.....	220	0.1	4
Drafter.....	450	0.3	5
Electrical/electronics engineering technician.....	540	0.3	3
Mechanical engineering technicians.....	160	0.1	9
All other engineering technicians.....	970	0.6	(nc)
Physical and life science technicians.....	820	0.5	(nc)
Chemical technicians, except health.....	740	0.4	2
All other physical and life science technicians.....	80	0.1	8
Nonferrous foundries (castings) (SIC 3360)			
Scientific and technical personnel.....	2,990	3.2	(nc)
Scientists.....	100	0.1	(nc)
Computer analysts.....	100	0.1	(nc)
Managers of scientific and technical personnel.....	320	0.3	2
Engineers.....	1,720	1.8	(nc)
Electrical/electronics.....	30	<	0
Industrial.....	330	0.4	1
Mechanical.....	660	0.7	4
Metallurgical/metallurgists.....	160	0.2	3
Safety.....	80	0.1	2
Sales.....	100	0.1	8
Other, n.e.c.....	360	0.4	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Nonferrous foundries (castings) (SIC 3360) -- continued:			
Technicians.....	850	0.9	(nc)
Computer programmer.....	50	0.1	9
Drafter.....	120	0.1	3
Electrical/electronics engineering technician.....	70	0.1	13
Mechanical engineering technicians.....	150	0.2	12
All other engineering technicians.....	420	0.4	(nc)
Physical and life science technicians.....	40	<	(nc)
All other physical and life science technicians.....	40	<	(nc)
Miscellaneous primary metal products (SIC 3390)			
Scientific and technical personnel.....	1,850	6	(nc)
Scientists.....	120	0.4	(nc)
Physical scientists.....	50	0.2	0
Chemists.....	50	0.2	0
Computer analysts.....	70	0.2	(nc)
Managers of scientific and technical personnel.....	210	0.7	3
Engineers.....	980	3.2	(nc)
Computer.....	40	0.1	6
Electrical/electronics.....	40	0.1	16
Industrial.....	110	0.4	11
Mechanical.....	270	0.9	4
Metallurgical/metallurgists.....	340	1.1	4
Sales.....	100	0.3	3
Other, n.e.c.....	80	0.3	(nc)
Technicians.....	540	1.8	(nc)
Computer programmer.....	40	0.1	0
Drafter.....	40	0.1	3
Electrical/electronics engineering technician.....	80	0.3	4
Mechanical engineering technicians.....	30	0.1	0
All other engineering technicians.....	190	0.6	(nc)
Physical and life science technicians.....	160	0.5	1
Chemical technicians, except health.....	160	0.5	1

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Metal cans and shipping containers (SIC 3410)			
Scientific and technical personnel	720	2	(nc)
Scientists	80	0.2	(nc)
Computer analysts.....	80	0.2	(nc)
Managers of scientific and technical personnel	140	0.4	3
Engineers	260	0.7	(nc)
Electrical/electronics.....	40	0.1	5
Industrial.....	60	0.2	12
Mechanical.....	100	0.3	7
Other, n.e.c.....	60	0.2	(nc)
Technicians	240	0.7	(nc)
Drafter.....	40	0.1	11
Electrical/electronics engineering technician.....	160	0.4	3
All other engineering technicians.....	40	0.1	(nc)
Cutlery, hand tools, and hardware (SIC 3420)			
Scientific and technical personnel	5,180	4.1	(nc)
Scientists	280	0.2	(nc)
Physical scientists.....	30	<	(nc)
All other physical scientists.....	30	<	(nc)
Computer analysts.....	250	0.2	(nc)
Managers of scientific and technical personnel	600	0.5	3
Engineers	2,670	2.1	(nc)
Computer.....	80	0.1	9
Electrical/electronics.....	100	0.1	8
Industrial.....	650	0.5	1
Mechanical.....	970	0.8	3
Metallurgical/metallurgists.....	170	0.1	3
Safety.....	110	0.1	1
Sales.....	100	0.1	8
Other, n.e.c.....	490	0.4	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Cutlery, hand tools, and hardware (SIC 3420) -- continued:			
Technicians.....	1,630	1.3	(nc)
Computer programmer.....	320	0.3	(nc)
Drafter.....	540	0.4	3
Electrical/electronics engineering technician.....	110	0.1	10
Mechanical engineering technicians.....	260	0.2	1
All other engineering technicians.....	400	0.3	(nc)
Plumbing and heating, except electric (SIC 3430)			
Scientific and technical personnel.....	2,450	4.8	(nc)
Scientists.....	190	0.4	(nc)
Computer analysts.....	190	0.4	(nc)
Managers of scientific and technical personnel.....	310	0.6	3
Engineers.....	1,100	2.1	(nc)
Electrical/electronics.....	50	0.1	11
Industrial.....	210	0.4	4
Mechanical.....	500	1	2
Metallurgical/metallurgists.....	60	0.1	4
Safety.....	40	0.1	3
Sales.....	110	0.2	8
Other, n.e.c.....	130	0.3	(nc)
Technicians.....	850	1.6	(nc)
Computer programmer.....	150	0.3	6
Drafter.....	320	0.6	4
Electrical/electronics engineering technician.....	60	0.1	21
Mechanical engineering technicians.....	120	0.2	7
All other engineering technicians.....	200	0.4	(nc)
Fabricated structural metal products (SIC 3440)			
Scientific and technical personnel.....	23,820	5	(nc)
Scientists.....	480	0.1	(nc)
Social scientists.....	20	<	(nc)
All other social scientists.....	20	<	(nc)
Computer analysts.....	460	0.1	(nc)

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Fabricated structural metal products (SIC 3440) -- continued:			
Managers of scientific and technical personnel.....	1,730	0.4	2
Engineers.....			
Civil.....	8,550	1.8	(nc)
Computer.....	1,040	0.2	3
Computer.....	240	0.1	6
Electrical/electronics.....	210	<	27
Industrial.....	1,140	0.2	4
Mechanical.....	2,890	0.6	4
Metallurgical/metallurgists.....	170	<	3
Safety.....	180	<	2
Sales.....	1,190	0.3	5
Other, n.e.c.....	1,490	0.3	(nc)
Technicians.....			
Computer programmer.....	13,060	2.8	(nc)
Drafter.....	1,210	0.3	(nc)
Electrical/electronics engineering technician.....	9,660	2	2
Mechanical engineering technicians.....	270	0.1	5
All other engineering technicians.....	510	0.1	12
All other engineering technicians.....	1,410	0.3	(nc)
Screw machine products, bolts, etc. (SIC 3450)			
Scientific and technical personnel.....	3,230	3	(nc)
Scientists.....			
Computer analysts.....	100	0.1	6
Computer analysts.....	100	0.1	6
Managers of scientific and technical personnel.....	430	0.4	4
Engineers.....			
Computer.....	1,730	1.6	(nc)
Computer.....	30	<	18
Electrical/electronics.....	50	0.1	7
Industrial.....	300	0.3	4
Mechanical.....	750	0.7	3
Metallurgical/metallurgists.....	100	0.1	3
Sales.....	200	0.2	7
Other, n.e.c.....	300	0.3	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Screw machine products, bolts, etc. (SIC 3450) -- continued:			
Technicians.....	970	0.9	(nc)
Computer programmer.....	170	0.2	(nc)
Drafter.....	340	0.3	4
Electrical/electronics engineering technician.....	50	0.1	3
Mechanical engineering technicians.....	150	0.1	5
All other engineering technicians.....	260	0.3	(nc)
Metal forgings and stampings (SIC 3460)			
Scientific and technical personnel.....	9,580	3.6	(nc)
Scientists.....	280	0.1	(nc)
Computer analysts.....	280	0.1	(nc)
Managers of scientific and technical personnel.....	1,060	0.4	6
Engineers.....	5,470	2.1	(nc)
Computer.....	110	<	6
Electrical/electronics.....	250	0.1	21
Industrial.....	1,150	0.4	3
Mechanical.....	1,930	0.7	7
Metallurgical/metallurgists.....	300	0.1	6
Safety.....	100	<	5
Sales.....	350	0.1	4
Other, n.e.c.....	1,280	0.5	(nc)
Technicians.....	2,770	1	(nc)
Computer programmer.....	510	0.2	(nc)
Drafter.....	720	0.3	6
Electrical/electronics engineering technician.....	200	0.1	4
Mechanical engineering technicians.....	300	0.1	14
All other engineering technicians.....	1,040	0.4	(nc)
Metal services, n.e.c. (SIC 3470)			
Scientific and technical personnel.....	2,330	1.6	(nc)
Scientists.....	190	0.1	(nc)
Physical scientists.....	90	0.1	(nc)
All other physical scientists.....	90	0.1	(nc)
Computer analysts.....	100	0.1	(nc)
Managers of scientific and technical personnel.....	260	0.2	3

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Metal services, n.e.c. (SIC 3470) -- continued:			
Engineers.....	1,220	0.9	(nc)
Computer.....	40	<	9
Electrical/electronics.....	90	0.1	19
Industrial.....	220	0.2	7
Mechanical.....	330	0.2	6
Metallurgical/metallurgists.....	140	0.1	5
Safety.....	120	0.1	23
Sales.....	140	0.1	17
Other, n.e.c.....	140	0.1	(nc)
Technicians.....	660	0.5	(nc)
Computer programmer.....	50	<	13
Drafter.....	100	0.1	19
Electrical/electronics engineering technician.....	50	<	15
Mechanical engineering technicians.....	80	0.1	13
All other engineering technicians.....	160	0.1	(nc)
Physical and life science technicians.....	220	0.2	(nc)
Chemical technicians, except health.....	60	<	12
All other physical and life science technicians.....	160	0.1	7
Ordnance and accessories, n.e.c. (SIC 3480)			
Scientific and technical personnel.....	5,260	12.9	(nc)
Scientists.....	380	0.9	(nc)
Physical scientists.....	50	0.1	(nc)
All other physical scientists.....	50	0.1	(nc)
Computer analysts.....	330	0.8	(nc)
Managers of scientific and technical personnel.....	280	0.7	<
Engineers.....	3,480	8.5	(nc)
Industrial.....	310	0.8	0
Mechanical.....	750	1.8	1
Metallurgical/metallurgists.....	40	0.1	0
Safety.....	110	0.3	1
Other, n.e.c.....	2,270	5.6	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Ordnance and accessories, n.e.c. (SIC 3480) -- continued:			
Technicians.....	1,120	2.8	(nc)
Computer programmer.....	260	0.6	(nc)
Drafter.....	120	0.3	1
Electrical/electronics engineering technician.....	260	0.6	0
Mechanical engineering technicians.....	100	0.2	0
All other engineering technicians.....	300	0.7	(nc)
Physical and life science technicians.....	80	0.2	(nc)
All other physical and life science technicians.....	80	0.2	(nc)
Misc. fabricated metal products (SIC 3490)			
Scientific and technical personnel.....	13,450	5	(nc)
Scientists.....	510	0.2	(nc)
Physical scientists.....	50	<	(nc)
All other physical scientists.....	50	<	(nc)
Social scientists.....	10	<	(nc)
All other social scientists.....	10	<	(nc)
Computer analysts.....	450	0.2	(nc)
Managers of scientific and technical personnel.....	1,430	0.5	2
Engineers.....	6,860	2.6	(nc)
Computer.....	140	0.1	5
Electrical/electronics.....	310	0.1	9
Industrial.....	1,060	0.4	3
Mechanical.....	3,080	1.1	3
Metallurgical/metallurgists.....	330	0.1	6
Safety.....	230	0.1	7
Sales.....	690	0.3	4
Other, n.e.c.....	1,020	0.4	(nc)
Technicians.....	4,650	1.8	(nc)
Computer programmer.....	690	0.3	(nc)
Drafter.....	1,660	0.6	1
Electrical/electronics engineering technician.....	420	0.2	7
Mechanical engineering technicians.....	690	0.3	4
All other engineering technicians.....	1,120	0.4	(nc)
Physical and life science technicians.....	70	<	(nc)
All other physical and life science technicians.....	70	<	(nc)

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Engines and turbines (SIC 3510)			
Scientific and technical personnel	11,350	13.7	(nc)
Scientists	490	0.6	(nc)
Computer analysts.....	490	0.6	(nc)
Managers of scientific and technical personnel	1,100	1.3	1
Engineers	7,220	8.8	(nc)
Chemical.....	50	0.1	0
Computer.....	120	0.2	0
Electrical/electronics.....	420	0.5	3
Industrial.....	1,070	1.3	1
Mechanical.....	3,080	3.7	1
Metallurgical/metallurgists.....	100	0.1	0
Sales.....	380	0.5	3
Other, n.e.c.....	2,000	2.4	(nc)
Technicians	2,540	3.1	(nc)
Computer programmer.....	90	0.1	2
Drafter.....	530	0.6	1
Mechanical engineering technicians.....	920	1.1	1
All other engineering technicians.....	950	1.2	(nc)
Physical and life science technicians.....	50	0.1	3
Chemical technicians, except health.....	50	0.1	3
Farm and garden machinery (SIC 3520)			
Scientific and technical personnel	6,820	6.8	(nc)
Scientists	450	0.5	(nc)
Operations and systems researchers and analysts.....	80	0.1	0
Computer analysts.....	370	0.4	(nc)
Managers of scientific and technical personnel	780	0.8	1
Engineers	3,330	3.3	(nc)
Agricultural.....	640	0.6	1
Computer.....	80	0.1	7
Electrical/electronics.....	180	0.2	5
Industrial.....	540	0.5	2
Mechanical.....	1,270	1.3	2
Sales.....	160	0.2	6
Other, n.e.c.....	460	0.5	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Farm and garden machinery (SIC 3520) -- continued:			
Technicians	2,260	2.2	(nc)
Computer programmer.....	260	0.3	(nc)
Drafter.....	830	0.8	2
Electrical/electronics engineering technician.....	160	0.2	5
Mechanical engineering technicians.....	640	0.6	<
All other engineering technicians.....	370	0.4	(nc)
Construction and related machinery (SIC 3530)			
Scientific and technical personnel	24,440	9.7	(nc)
Scientists	670	0.3	(nc)
Operations and systems researchers and analysts.....	150	0.1	3
Physical scientists.....	30	<	(nc)
All other physical scientists.....	30	<	(nc)
Social scientists.....	50	<	(nc)
All other social scientists.....	50	<	(nc)
Computer analysts.....	440	0.2	2
Managers of scientific and technical personnel	2,050	0.8	4
Engineers	13,540	5.4	(nc)
Agricultural.....	420	0.2	14
Chemical.....	300	0.1	3
Civil.....	50	<	4
Computer.....	440	0.2	12
Electrical/electronics.....	1,550	0.6	3
Industrial.....	1,380	0.6	3
Mechanical.....	6,200	2.5	3
Metallurgical/metallurgists.....	150	0.1	10
Sales.....	1,660	0.7	5
Other, n.e.c.....	1,390	0.6	(nc)
Technicians	8,180	3.3	(nc)
Computer programmer.....	850	0.3	(nc)
Drafter.....	3,970	1.6	1
Electrical/electronics engineering technician.....	980	0.4	4
Mechanical engineering technicians.....	1,180	0.5	3
All other engineering technicians.....	1,040	0.4	(nc)
Physical and life science technicians.....	160	0.1	9
Chemical technicians, except health.....	160	0.1	9

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Metalworking machinery (SIC 3540)			
Scientific and technical personnel	30,280	8.6	(nc)
Scientists	650	0.2	(nc)
Operations and systems researchers and analysts.....	50	<	0
Physical scientists.....	50	<	(nc)
All other physical scientists.....	50	<	(nc)
Computer analysts.....	550	0.2	(nc)
Managers of scientific and technical personnel	2,390	0.7	2
Engineers	15,150	4.3	(nc)
Chemical.....	60	<	9
Computer.....	780	0.2	5
Electrical/electronics.....	1,860	0.5	2
Industrial.....	1,510	0.4	2
Mechanical.....	6,160	1.8	2
Metallurgical/metallurgists.....	270	0.1	6
Sales.....	2,540	0.7	4
Other, n.e.c.....	1,970	0.6	(nc)
Technicians	12,090	3.5	(nc)
Computer programmer.....	3,690	1.1	(nc)
Drafter.....	4,600	1.3	4
Electrical/electronics engineering technician.....	1,280	0.4	4
Mechanical engineering technicians.....	1,060	0.3	3
All other engineering technicians.....	1,360	0.4	(nc)
Physical and life science technicians.....	100	<	(nc)
Chemical technicians, except health.....	60	<	4
All other physical and life science technicians.....	40	<	0

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Special industry machinery (SIC 3550)			
Scientific and technical personnel	29,920	17.2	(nc)
Scientists	780	0.5	(nc)
Operations and systems researchers and analysts.....	180	0.1	3
Physical scientists.....	60	<	(nc)
All other physical scientists.....	60	<	(nc)
Computer analysts.....	540	0.3	(nc)
Managers of scientific and technical personnel	2,400	1.4	2
Engineers	15,600	9	(nc)
Chemical.....	80	0.1	7
Computer.....	980	0.6	4
Electrical/electronics.....	3,070	1.8	2
Industrial.....	1,070	0.6	2
Mechanical.....	5,820	3.4	1
Metallurgical/metallurgists.....	310	0.2	2
Sales.....	2,040	1.2	2
Other, n.e.c.....	2,230	1.3	(nc)
Technicians	11,140	6.4	(nc)
Computer programmer.....	1,130	0.7	(nc)
Drafter.....	3,370	1.9	1
Electrical/electronics engineering technician.....	3,050	1.8	4
Mechanical engineering technicians.....	1,620	0.9	5
All other engineering technicians.....	1,870	1.1	(nc)
Physical and life science technicians.....	100	0.1	7
Chemical technicians, except health.....	100	0.1	7
General industrial machinery (SIC 3560)			
Scientific and technical personnel	31,560	11.9	(nc)
Scientists	1,150	0.4	(nc)
Operations and systems researchers and analysts.....	80	<	0
Physical scientists.....	190	0.1	(nc)
All other physical scientists.....	190	0.1	(nc)
Computer analysts.....	880	0.3	(nc)
Managers of scientific and technical personnel	3,000	1.1	2

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
General industrial machinery (SIC 3560) -- continued:			
Engineers.....	17,250	6.5	(nc)
Chemical.....	390	0.2	4
Civil.....	70	<	4
Computer.....	560	0.2	7
Electrical/electronics.....	2,170	0.8	4
Industrial.....	2,150	0.8	1
Mechanical.....	6,990	2.6	2
Metallurgical/metallurgists.....	270	0.1	2
Sales.....	2,720	1	2
Other, n.e.c.....	1,930	0.7	(nc)
Technicians.....	10,160	3.8	(nc)
Computer programmer.....	1,170	0.4	(nc)
Drafter.....	4,050	1.5	2
Electrical/electronics engineering technician.....	1,140	0.4	5
Mechanical engineering technicians.....	1,420	0.5	2
All other engineering technicians.....	1,910	0.7	(nc)
Physical and life science technicians.....	470	0.2	(nc)
Chemical technicians, except health.....	260	0.1	5
All other physical and life science technicians.....	210	0.1	1
Computer and office equipment (SIC 3570)			
Scientific and technical personnel.....	134,390	35.4	(nc)
Scientists.....	8,200	2.2	(nc)
Operations and systems researchers and analysts.....	670	0.2	2
Physical scientists.....	90	<	(nc)
All other physical scientists.....	90	<	(nc)
Social scientists.....	460	0.1	1
Economists.....	460	0.1	1
Computer analysts.....	6,980	1.8	(nc)
Managers of scientific and technical personnel.....	9,510	2.5	1

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Computer and office equipment (SIC 3570) -- continued:			
Engineers.....	83,630	22	(nc)
Civil.....	80	<	15
Computer.....	27,560	7.3	2
Electrical/electronics.....	25,720	6.8	1
Industrial.....	4,460	1.2	1
Mechanical.....	2,490	0.7	4
Metallurgical/metallurgists.....	260	0.1	10
Safety.....	50	<	0
Sales.....	1,510	0.4	2
Other, n.e.c.....	21,500	5.7	(nc)
Technicians.....	33,050	8.7	(nc)
Computer programmer.....	14,180	3.7	(nc)
Drafter.....	900	0.2	11
Electrical/electronics engineering technician.....	10,310	2.7	3
Mechanical engineering technicians.....	1,390	0.4	3
All other engineering technicians.....	4,050	1.1	(nc)
Physical and life science technicians.....	2,220	0.6	(nc)
Chemical technicians, except health.....	380	0.1	7
All other physical and life science technicians.....	1,840	0.5	<
Refrigeration and service machinery (SIC 3580)			
Scientific and technical personnel.....	17,360	8.4	(nc)
Scientists.....	930	0.5	(nc)
All other mathematicians.....	100	0.1	(nc)
Physical scientists.....	40	<	(nc)
All other physical scientists.....	40	<	(nc)
Computer analysts.....	790	0.4	(nc)
Managers of scientific and technical personnel.....	1,710	0.8	2
Engineers.....	8,320	4	(nc)
Chemical.....	160	0.1	6
Civil.....	130	0.1	0
Computer.....	220	0.1	3
Electrical/electronics.....	840	0.4	6
Industrial.....	1,650	0.8	1
Mechanical.....	2,550	1.2	3
Metallurgical/metallurgists.....	50	<	0
Sales.....	980	0.5	5
Other, n.e.c.....	1,740	0.8	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Refrigeration and service machinery (SIC 3580) -- continued:			
Technicians.....	6,400	3.1	(nc)
Computer programmer.....	500	0.2	(nc)
Drafter.....	2,220	1.1	4
Electrical/electronics engineering technician.....	930	0.5	6
Mechanical engineering technicians.....	1,170	0.6	2
Civil engineering technician.....	40	<	4
All other engineering technicians.....	1,180	0.6	(nc)
Physical and life science technicians.....	360	0.2	(nc)
Chemical technicians, except health.....	140	0.1	6
All other physical and life science technicians.....	220	0.1	(nc)
Industrial machinery, n.e.c. (SIC 3590)			
Scientific and technical personnel.....	18,340	4.9	(nc)
Scientists.....	340	0.1	(nc)
Operations and systems researchers and analysts.....	60	<	4
Computer analysts.....	280	0.1	(nc)
Managers of scientific and technical personnel.....	1,820	0.5	3
Engineers.....	9,200	2.4	(nc)
Civil.....	40	<	24
Computer.....	350	0.1	7
Electrical/electronics.....	750	0.2	9
Industrial.....	1,390	0.4	3
Mechanical.....	3,800	1	2
Metallurgical/metallurgists.....	150	<	4
Sales.....	1,480	0.4	7
Other, n.e.c.....	1,240	0.3	(nc)
Technicians.....	6,980	1.9	(nc)
Computer programmer.....	2,320	0.6	(nc)
Drafter.....	1,820	0.5	4
Electrical/electronics engineering technician.....	810	0.2	4
Mechanical engineering technicians.....	590	0.2	3
All other engineering technicians.....	1,360	0.4	(nc)
Physical and life science technicians.....	80	<	1
Chemical technicians, except health.....	80	<	1

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Electric distribution equipment (SIC 3610)			
Scientific and technical personnel	10,700	13.2	(nc)
Scientists	680	0.8	(nc)
All other mathematicians.....	10	<	(nc)
Physical scientists.....	30	<	(nc)
All other physical scientists.....	30	<	(nc)
Computer analysts.....	640	0.8	(nc)
Managers of scientific and technical personnel	990	1.2	2
Engineers	5,320	6.6	(nc)
Computer.....	250	0.3	9
Electrical/electronics.....	2,760	3.4	2
Industrial.....	680	0.8	2
Mechanical.....	610	0.8	4
Safety.....	60	0.1	3
Sales.....	470	0.6	4
Other, n.e.c.....	490	0.6	(nc)
Technicians	3,710	4.6	(nc)
Computer programmer.....	360	0.5	(nc)
Drafter.....	1,160	1.4	4
Electrical/electronics engineering technician.....	1,620	2	7
Mechanical engineering technicians.....	100	0.1	3
Civil engineering technician.....	80	0.1	16
All other engineering technicians.....	350	0.4	(nc)
Physical and life science technicians.....	40	0.1	5
Chemical technicians, except health.....	40	0.1	5
Electrical industrial apparatus (SIC 3620)			
Scientific and technical personnel	18,490	12.1	(nc)
Scientists	390	0.3	(nc)
Operations and systems researchers and analysts.....	40	<	0
Physical scientists.....	50	<	(nc)
All other physical scientists.....	50	<	(nc)
Computer analysts.....	300	0.2	2
Managers of scientific and technical personnel	1,390	0.9	2

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Electrical industrial apparatus (SIC 3620) -- continued:			
Engineers.....	9,890	6.5	(nc)
Chemical.....	100	0.1	5
Computer.....	460	0.3	4
Electrical/electronics.....	4,650	3.1	1
Industrial.....	930	0.6	1
Mechanical.....	1,920	1.3	2
Metallurgical/metallurgists.....	100	0.1	10
Safety.....	110	0.1	4
Sales.....	860	0.6	4
Other, n.e.c.....	760	0.5	(nc)
Technicians.....	6,820	4.5	(nc)
Computer programmer.....	350	0.2	(nc)
Drafter.....	1,540	1	4
Electrical/electronics engineering technician.....	3,270	2.2	3
Mechanical engineering technicians.....	460	0.3	3
Civil engineering technician.....	80	0.1	4
All other engineering technicians.....	840	0.6	(nc)
Physical and life science technicians.....	280	0.2	(nc)
Chemical technicians, except health.....	230	0.2	4
All other physical and life science technicians.....	50	<	19
Household appliances (SIC 3630)			
Scientific and technical personnel.....	5,950	5.1	(nc)
Scientists.....	320	0.3	(nc)
Physical scientists.....	40	<	(nc)
All other physical scientists.....	40	<	(nc)
Computer analysts.....	280	0.2	1
Managers of scientific and technical personnel.....	500	0.4	3
Engineers.....	3,320	2.9	(nc)
Computer.....	30	<	0
Electrical/electronics.....	340	0.3	4
Industrial.....	970	0.8	2
Mechanical.....	800	0.7	1
Metallurgical/metallurgists.....	60	0.1	0
Safety.....	70	0.1	0
Sales.....	40	<	4
Other, n.e.c.....	1,010	0.9	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Household appliances (SIC 3630) -- continued:			
Technicians.....	1,810	1.6	(nc)
Computer programmer.....	270	0.2	(nc)
Drafter.....	450	0.4	3
Electrical/electronics engineering technician.....	250	0.2	1
Mechanical engineering technicians.....	260	0.2	1
All other engineering technicians.....	540	0.5	(nc)
Physical and life science technicians.....	40	<	0
Chemical technicians, except health.....	40	<	0
Electric lighting and wiring equipment (SIC 3640)			
Scientific and technical personnel.....	11,610	6.3	(nc)
Scientists.....	420	0.2	(nc)
Physical scientists.....	120	0.1	(nc)
Chemists.....	40	<	9
Physicists and astronomers.....	40	<	2
All other physical scientists.....	40	<	0
Computer analysts.....	300	0.2	2
Managers of scientific and technical personnel.....	1,040	0.6	2
Engineers.....	6,510	3.6	(nc)
Chemical.....	100	0.1	4
Computer.....	160	0.1	5
Electrical/electronics.....	1,180	0.6	8
Industrial.....	1,410	0.8	4
Mechanical.....	1,540	0.8	4
Metallurgical/metallurgists.....	90	0.1	8
Safety.....	100	0.1	4
Sales.....	340	0.2	7
Other, n.e.c.....	1,590	0.9	(nc)
Technicians.....	3,640	2	(nc)
Computer programmer.....	200	0.1	(nc)
Drafter.....	970	0.5	4
Electrical/electronics engineering technician.....	840	0.5	4
Mechanical engineering technicians.....	150	0.1	6
All other engineering technicians.....	1,390	0.8	(nc)
Physical and life science technicians.....	90	0.1	6
Chemical technicians, except health.....	90	0.1	6

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Household audio and video equipment (SIC 3650)			
Scientific and technical personnel	10,410	12.7	(nc)
Scientists	370	0.5	(nc)
Computer analysts.....	370	0.5	(nc)
Managers of scientific and technical personnel	740	0.9	3
Engineers	3,920	4.8	(nc)
Computer.....	390	0.5	4
Electrical/electronics.....	1,670	2	8
Industrial.....	430	0.5	6
Mechanical.....	630	0.8	4
Safety.....	40	0.1	2
Sales.....	120	0.2	16
Other, n.e.c.....	640	0.8	(nc)
Technicians	5,380	6.6	(nc)
Computer programmer.....	440	0.5	2
Drafter.....	250	0.3	6
Electrical/electronics engineering technician.....	3,170	3.9	3
All other engineering technicians.....	1,520	1.9	(nc)
Communication equipment (SIC 3660)			
Scientific and technical personnel	77,310	27.9	(nc)
Scientists	7,880	2.9	(nc)
Operations and systems researchers and analysts.....	740	0.3	<
All other mathematicians.....	40	<	(nc)
Physical scientists.....	160	0.1	(nc)
All other physical scientists.....	160	0.1	(nc)
Social scientists.....	490	0.2	<
Economists.....	490	0.2	<
Computer analysts.....	6,450	2.3	(nc)
Managers of scientific and technical personnel	4,690	1.7	2

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Communication equipment (SIC 3660) -- continued:			
Engineers.....	45,850	16.5	(nc)
Computer.....	9,720	3.5	2
Electrical/electronics.....	18,120	6.6	2
Industrial.....	2,820	1	<
Mechanical.....	1,610	0.6	2
Metallurgical/metallurgists.....	40	<	5
Safety.....	110	<	3
Sales.....	870	0.3	10
Other, n.e.c.....	12,560	4.5	(nc)
Technicians.....	18,890	6.8	(nc)
Computer programmer.....	80	<	2
Drafter.....	1,990	0.7	2
Electrical/electronics engineering technician.....	10,780	3.9	2
Mechanical engineering technicians.....	1,150	0.4	1
Civil engineering technician.....	50	<	5
All other engineering technicians.....	4,700	1.7	(nc)
Physical and life science technicians.....	140	0.1	(nc)
All other physical and life science technicians.....	140	0.1	(nc)
Electronic components and accessories (SIC 3670)			
Scientific and technical personnel.....	144,080	22.4	(nc)
Scientists.....	7,250	1.1	(nc)
Operations and systems researchers and analysts.....	480	0.1	1
All other mathematicians.....	90	<	(nc)
Physical scientists.....	500	0.1	(nc)
Chemists.....	240	<	6
Physicists and astronomers.....	60	<	17
All other physical scientists.....	200	<	21
Life scientists.....	40	<	(nc)
All other life scientists.....	40	<	(nc)
Social scientists.....	660	0.1	1
Economists.....	660	0.1	1
Computer analysts.....	5,480	0.9	(nc)
Managers of scientific and technical personnel.....	11,050	1.7	3

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Electronic components and accessories (SIC 3670) -- continued:			
Engineers.....	80,010	12.4	(nc)
Chemical.....	1,480	0.2	5
Computer.....	9,070	1.4	4
Electrical/electronics.....	34,820	5.4	2
Industrial.....	5,350	0.8	1
Mechanical.....	6,660	1	2
Metallurgical/metallurgists.....	1,480	0.2	2
Safety.....	820	0.1	3
Sales.....	2,610	0.4	3
Other, n.e.c.....	17,720	2.8	(nc)
Technicians.....	45,770	7.1	(nc)
Computer programmer.....	6,190	1	(nc)
Drafter.....	3,180	0.5	2
Electrical/electronics engineering technician.....	21,700	3.4	2
Mechanical engineering technicians.....	2,270	0.4	2
Civil engineering technician.....	170	<	8
All other engineering technicians.....	8,600	1.3	(nc)
Physical and life science technicians.....	3,660	0.6	(nc)
Chemical technicians, except health.....	1,030	0.2	7
All other physical and life science technicians.....	2,630	0.4	<
Misc. electrical equipment & supplies (SIC 3690)			
Scientific and technical personnel.....	15,770	10.9	(nc)
Scientists.....	800	0.6	(nc)
Physical scientists.....	240	0.2	(nc)
Chemists.....	120	0.1	3
All other physical scientists.....	120	0.1	(nc)
Computer analysts.....	560	0.4	(nc)
Managers of scientific and technical personnel.....	1,320	0.9	2
Engineers.....	8,740	6.1	(nc)
Chemical.....	180	0.1	3
Computer.....	1,900	1.3	22
Electrical/electronics.....	1,500	1	3
Industrial.....	1,380	1	1
Mechanical.....	1,230	0.9	2
Metallurgical/metallurgists.....	60	<	21
Safety.....	80	0.1	2
Sales.....	300	0.2	8
Other, n.e.c.....	2,110	1.5	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Misc. electrical equipment & supplies (SIC 3690) -- continued:			
Technicians.....	4,910	3.4	(nc)
Computer programmer.....	250	0.2	(nc)
Drafter.....	620	0.4	3
Electrical/electronics engineering technician.....	1,620	1.1	3
Mechanical engineering technicians.....	370	0.3	4
All other engineering technicians.....	1,830	1.3	(nc)
Physical and life science technicians.....	220	0.2	1
Chemical technicians, except health.....	220	0.2	1
Motor vehicles and equipment (SIC 3710)			
Scientific and technical personnel.....	94,710	9.3	(nc)
Scientists.....	5,830	0.6	(nc)
Operations and systems researchers and analysts.....	420	<	6
Statisticians.....	670	0.1	1
All other mathematicians.....	890	0.1	(nc)
Physical scientists.....	510	0.1	(nc)
All other physical scientists.....	510	0.1	(nc)
Social scientists.....	50	<	15
Economists.....	50	<	15
Computer analysts.....	3,290	0.3	(nc)
Managers of scientific and technical personnel.....	5,330	0.5	5
Engineers.....	62,420	6.1	(nc)
Chemical.....	200	<	7
Civil.....	200	<	2
Computer.....	360	<	1
Electrical/electronics.....	1,490	0.2	12
Industrial.....	10,800	1.1	1
Mechanical.....	9,420	0.9	15
Metallurgical/metallurgists.....	600	0.1	5
Safety.....	490	0.1	5
Sales.....	710	0.1	6
Other, n.e.c.....	38,150	3.7	(nc)

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Motor vehicles and equipment (SIC 3710) -- continued:			
Technicians.....	21,130	2.1	(nc)
Computer programmer.....	1,420	0.1	(nc)
Drafter.....	4,050	0.4	1
Electrical/electronics engineering technician.....	990	0.1	7
Mechanical engineering technicians.....	1,900	0.2	4
Civil engineering technician.....	90	<	5
All other engineering technicians.....	12,360	1.2	(nc)
Physical and life science technicians.....	320	<	(nc)
All other physical and life science technicians.....	320	<	(nc)
Aircraft and parts (SIC 3720)			
Scientific and technical personnel.....	119,100	22.6	(nc)
Scientists.....	14,170	2.7	(nc)
Operations and systems researchers and analysts.....	1,310	0.3	1
All other mathematicians.....	590	0.1	(nc)
Life scientists.....	60	<	(nc)
All other life scientists.....	60	<	(nc)
Social scientists.....	80	<	(nc)
Economists.....	50	<	0
All other social scientists.....	30	<	0
Computer analysts.....	12,130	2.3	(nc)
Managers of scientific and technical personnel.....	7,590	1.4	2
Engineers.....	68,200	12.9	(nc)
Aeronautical.....	17,730	3.4	1
Chemical.....	320	0.1	1
Computer.....	1,270	0.2	1
Industrial.....	9,100	1.7	16
Marine.....	40	<	0
Mechanical.....	11,600	2.2	2
Metallurgical/metallurgists.....	1,530	0.3	2
Safety.....	510	0.1	2
Sales.....	430	0.1	3
Other, n.e.c.....	25,670	4.9	(nc)
Technicians.....	29,140	5.5	(nc)
Mechanical engineering technicians.....	8,240	1.6	1
Civil engineering technician.....	280	0.1	4
All other engineering technicians.....	20,220	3.8	(nc)
Physical and life science technicians.....	400	0.1	(nc)
All other physical and life science technicians.....	400	0.1	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Ship and boat building and repairing (SIC 3730)			
Scientific and technical personnel	8,950	5.3	(nc)
Scientists	380	0.2	(nc)
Statisticians	50	<	0
Physical scientists	40	<	(nc)
All other physical scientists	40	<	(nc)
Computer analysts	290	0.2	(nc)
Managers of scientific and technical personnel	800	0.5	2
Engineers	4,210	2.5	(nc)
Civil	30	<	5
Computer	30	<	3
Electrical/electronics	350	0.2	<
Industrial	390	0.2	2
Marine	480	0.3	6
Mechanical	440	0.3	24
Safety	280	0.2	3
Sales	40	<	35
Other, n.e.c.	2,170	1.3	(nc)
Technicians	3,560	2.1	(nc)
Computer programmer	160	0.1	(nc)
Drafter	2,210	1.3	1
Electrical/electronics engineering technician	120	0.1	5
Mechanical engineering technicians	190	0.1	13
Civil engineering technician	60	<	0
All other engineering technicians	770	0.5	(nc)
Physical and life science technicians	50	<	(nc)
All other physical and life science technicians	50	<	(nc)
Railroad equipment (SIC 3740)			
Scientific and technical personnel	1,740	4.5	(nc)
Scientists	110	0.3	(nc)
Computer analysts	110	0.3	(nc)
Managers of scientific and technical personnel	180	0.5	1

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Railroad equipment (SIC 3740) -- continued:			
Engineers.....	1,020	2.6	(nc)
Electrical/electronics.....	70	0.2	2
Mechanical.....	370	1	2
Metallurgical/metallurgists.....	50	0.1	0
Sales.....	70	0.2	8
Other, n.e.c.....	460	1.2	(nc)
Technicians.....	430	1.1	(nc)
Drafter.....	150	0.4	2
Electrical/electronics engineering technician.....	40	0.1	3
Mechanical engineering technicians.....	90	0.2	4
All other engineering technicians.....	150	0.4	(nc)
Motorcycles, bicycles, and parts (SIC 3750)			
Scientific and technical personnel.....	1,460	7.2	(nc)
Scientists.....	80	0.4	(nc)
Computer analysts.....	80	0.4	(nc)
Managers of scientific and technical personnel.....	340	1.7	2
Engineers.....	810	4	(nc)
Computer.....	50	0.3	0
Electrical/electronics.....	40	0.2	0
Industrial.....	50	0.3	0
Mechanical.....	510	2.5	8
Other, n.e.c.....	160	0.8	(nc)
Technicians.....	230	1.2	(nc)
Drafter.....	60	0.3	3
Mechanical engineering technicians.....	90	0.5	0
All other engineering technicians.....	80	0.4	(nc)

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Guided missiles, space vehicles, parts (SIC 3760)			
Scientific and technical personnel	41,920	46.9	(nc)
Scientists	2,500	2.8	(nc)
Statisticians.....	30	<	15
All other mathematicians.....	120	0.1	7
Physical scientists.....	330	0.4	(nc)
All other physical scientists.....	330	0.4	(nc)
Social scientists.....	150	0.2	(nc)
All other social scientists.....	150	0.2	(nc)
Computer analysts.....	1,870	2.1	(nc)
Managers of scientific and technical personnel	2,630	3	1
Engineers	30,980	34.7	(nc)
Aeronautical.....	13,620	15.2	2
Chemical.....	90	0.1	0
Computer.....	5,010	5.6	1
Electrical/electronics.....	3,450	3.9	<
Industrial.....	2,250	2.5	<
Mechanical.....	1,930	2.2	2
Safety.....	190	0.2	0
Other, n.e.c.....	4,440	5	(nc)
Technicians	5,810	6.5	(nc)
Computer programmer.....	1,070	1.2	(nc)
Drafter.....	420	0.5	1
Electrical/electronics engineering technician.....	2,040	2.3	0
Mechanical engineering technicians.....	990	1.1	0
Civil engineering technician.....	100	0.1	0
All other engineering technicians.....	940	1.1	(nc)
Physical and life science technicians.....	250	0.3	(nc)
All other physical and life science technicians.....	250	0.3	(nc)
Miscellaneous transportation equipment (SIC 3790)			
Scientific and technical personnel	3,000	5.5	(nc)
Scientists	80	0.2	5
Computer analysts.....	80	0.2	5
Managers of scientific and technical personnel	660	1.2	22

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Miscellaneous transportation equipment (SIC 3790) -- continued:			
Engineers.....	1,240	2.3	(nc)
Electrical/electronics.....	130	0.2	20
Industrial.....	180	0.3	7
Mechanical.....	530	1	11
Safety.....	30	0.1	4
Other, n.e.c.....	370	0.7	(nc)
Technicians.....	1,020	1.9	(nc)
Computer programmer.....	50	0.1	12
Drafter.....	290	0.5	5
Electrical/electronics engineering technician.....	60	0.1	13
Mechanical engineering technicians.....	350	0.6	14
All other engineering technicians.....	270	0.5	(nc)
Search and navigation equipment (SIC 3810)			
Scientific and technical personnel.....	71,870	44.5	(nc)
Scientists.....	2,430	1.5	(nc)
Operations and systems researchers and analysts.....	340	0.2	1
Physical scientists.....	130	0.1	(nc)
All other physical scientists.....	130	0.1	(nc)
Life scientists.....	80	0.1	(nc)
All other life scientists.....	80	0.1	(nc)
Social scientists.....	30	<	(nc)
All other social scientists.....	30	<	(nc)
Computer analysts.....	1,850	1.2	(nc)
Managers of scientific and technical personnel.....	4,740	2.9	2
Engineers.....	45,420	28.1	(nc)
Aeronautical.....	640	0.4	<
Computer.....	8,180	5.1	1
Electrical/electronics.....	18,180	11.2	1
Industrial.....	3,150	2	2
Mechanical.....	3,440	2.1	2
Sales.....	180	0.1	14
Other, n.e.c.....	11,650	7.2	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Search and navigation equipment (SIC 3810) -- continued:			
Technicians.....	19,280	11.9	(nc)
Computer programmer.....	2,340	1.5	(nc)
Drafter.....	1,530	1	4
Electrical/electronics engineering technician.....	10,320	6.4	1
Mechanical engineering technicians.....	1,910	1.2	1
All other engineering technicians.....	2,950	1.8	(nc)
Physical and life science technicians.....	230	0.1	(nc)
Chemical technicians, except health.....	110	0.1	1
All other physical and life science technicians.....	120	0.1	15
Measuring and controlling devices (SIC 3820)			
Scientific and technical personnel.....	70,310	23.4	(nc)
Scientists.....	3,990	1.3	(nc)
Operations and systems researchers and analysts.....	260	0.1	3
Physical scientists.....	1,260	0.4	(nc)
Chemists.....	820	0.3	5
All other physical scientists.....	440	0.2	(nc)
Life scientists.....	320	0.1	(nc)
All other life scientists.....	320	0.1	(nc)
Computer analysts.....	2,150	0.7	(nc)
Managers of scientific and technical personnel.....	5,340	1.8	1
Engineers.....	36,700	12.2	(nc)
Chemical.....	500	0.2	2
Computer.....	7,420	2.5	1
Electrical/electronics.....	11,050	3.7	2
Industrial.....	2,920	1	1
Mechanical.....	5,470	1.8	2
Sales.....	3,340	1.1	3
Other, n.e.c.....	6,000	2	(nc)
Technicians.....	24,280	8.1	(nc)
Computer programmer.....	2,540	0.8	(nc)
Drafter.....	2,960	1	3
Electrical/electronics engineering technician.....	11,890	4	2
Mechanical engineering technicians.....	2,030	0.7	3
All other engineering technicians.....	4,100	1.4	(nc)
Physical and life science technicians.....	760	0.3	(nc)
Chemical technicians, except health.....	530	0.2	7
All other physical and life science technicians.....	230	0.1	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Medical instruments and supplies (SIC 3840)			
Scientific and technical personnel.....	38,290	13.6	(nc)
Scientists.....	4,970	1.8	(nc)
Operations and systems researchers and analysts.....	280	0.1	3
Physical scientists.....	1,540	0.6	(nc)
Chemists.....	1,320	0.5	6
All other physical scientists.....	220	0.1	(nc)
Life scientists.....	1,450	0.5	(nc)
All other life scientists.....	1,450	0.5	(nc)
Social scientists.....	60	<	(nc)
All other social scientists.....	60	<	(nc)
Computer analysts.....	1,640	0.6	(nc)
Managers of scientific and technical personnel.....	2,990	1.1	3
Engineers.....	17,330	6.2	(nc)
Chemical.....	260	0.1	16
Computer.....	1,870	0.7	5
Electrical/electronics.....	3,290	1.2	3
Industrial.....	2,160	0.8	3
Mechanical.....	4,120	1.5	2
Other, n.e.c.....	5,630	2	(nc)
Technicians.....	13,000	4.6	(nc)
Computer programmer.....	930	0.3	(nc)
Drafter.....	1,400	0.5	4
Electrical/electronics engineering technician.....	3,340	1.2	5
Mechanical engineering technicians.....	1,890	0.7	4
All other engineering technicians.....	3,370	1.2	(nc)
Physical and life science technicians.....	2,070	0.7	(nc)
Chemical technicians, except health.....	1,330	0.5	3
All other physical and life science technicians.....	740	0.3	(nc)
Ophthalmic goods (SIC 3850)			
Scientific and technical personnel.....	1,260	3.6	(nc)
Scientists.....	130	0.4	(nc)
Physical scientists.....	40	0.1	(nc)
All other physical scientists.....	40	0.1	(nc)
Computer analysts.....	90	0.3	2
Managers of scientific and technical personnel.....	110	0.3	4

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Ophthalmic goods (SIC 3850) -- continued:			
Engineers.....	440	1.3	(nc)
Industrial.....	100	0.3	4
Mechanical.....	130	0.4	19
Other, n.e.c.....	210	0.6	(nc)
Technicians.....	580	1.7	(nc)
Computer programmer.....	90	0.3	5
Electrical/electronics engineering technician.....	60	0.2	3
Mechanical engineering technicians.....	100	0.3	15
All other engineering technicians.....	270	0.8	(nc)
Physical and life science technicians.....	60	0.2	3
Chemical technicians, except health.....	60	0.2	3
Photographic equipment and supplies (SIC 3860)			
Scientific and technical personnel.....	15,920	20.3	(nc)
Scientists.....	3,470	4.4	(nc)
Physical scientists.....	2,680	3.4	(nc)
All other physical scientists.....	2,680	3.4	(nc)
Social scientists.....	120	0.2	(nc)
All other social scientists.....	120	0.2	(nc)
Computer analysts.....	670	0.9	(nc)
Managers of scientific and technical personnel.....	900	1.2	4
Engineers.....	7,920	10.1	(nc)
Computer.....	280	0.4	2
Electrical/electronics.....	680	0.9	3
Industrial.....	530	0.7	<
Mechanical.....	930	1.2	3
Sales.....	50	0.1	7
Other, n.e.c.....	5,450	7	(nc)
Technicians.....	3,630	4.6	(nc)
Drafter.....	170	0.2	9
Electrical/electronics engineering technician.....	760	1	9
Mechanical engineering technicians.....	550	0.7	1
All other engineering technicians.....	1,670	2.1	(nc)
Physical and life science technicians.....	480	0.6	1
Chemical technicians, except health.....	480	0.6	1

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Watches, clocks, watchcases & parts (SIC 3870)			
Scientific and technical personnel	360	5.4	(nc)
Scientists	60	0.9	(nc)
Computer analysts	60	0.9	(nc)
Engineers	190	2.9	(nc)
Industrial	40	0.6	0
Other, n.e.c.	150	2.3	(nc)
Technicians	110	1.7	(nc)
Electrical/electronics engineering technician	50	0.8	0
All other engineering technicians	60	0.9	(nc)
Jewelry, silverware, and plated ware (SIC 3910)			
Scientific and technical personnel	390	0.8	(nc)
Scientists	100	0.2	2
Computer analysts	100	0.2	2
Managers of scientific and technical personnel	40	0.1	2
Engineers	100	0.2	(nc)
Industrial	60	0.1	3
Other, n.e.c.	40	0.1	(nc)
Technicians	150	0.3	3
Computer programmer	150	0.3	3
Musical instruments (SIC 3930)			
Scientific and technical personnel	460	2.8	(nc)
Scientists	70	0.4	(nc)
Computer analysts	70	0.4	(nc)
Managers of scientific and technical personnel	50	0.3	2
Engineers	130	0.8	(nc)
Other, n.e.c.	130	0.8	(nc)
Technicians	210	1.3	(nc)
Drafter	90	0.6	5
Mechanical engineering technicians	30	0.2	3
All other engineering technicians	90	0.6	(nc)

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Toys and sporting goods (SIC 3940)			
Scientific and technical personnel	2,940	2.9	(nc)
Scientists	270	0.3	(nc)
Physical scientists.....	40	<	(nc)
All other physical scientists.....	40	<	(nc)
Computer analysts.....	230	0.2	(nc)
Managers of scientific and technical personnel	540	0.5	2
Engineers	1,070	1	(nc)
Industrial.....	370	0.4	2
Mechanical.....	340	0.3	5
Other, n.e.c.....	360	0.4	(nc)
Technicians	1,060	1	(nc)
Computer programmer.....	150	0.2	3
Drafter.....	240	0.2	7
Mechanical engineering technicians.....	250	0.2	6
All other engineering technicians.....	360	0.4	(nc)
Physical and life science technicians.....	60	0.1	(nc)
All other physical and life science technicians.....	60	0.1	(nc)
Pens, pencils, office, & art supplies (SIC 3950)			
Scientific and technical personnel	810	2.7	(nc)
Scientists	50	0.2	2
Computer analysts.....	50	0.2	2
Managers of scientific and technical personnel	80	0.3	6
Engineers	240	0.8	(nc)
Industrial.....	60	0.2	5
Mechanical.....	140	0.5	6
Other, n.e.c.....	40	0.1	(nc)
Technicians	440	1.5	(nc)
Computer programmer.....	50	0.2	0
Drafter.....	150	0.5	23
Mechanical engineering technicians.....	50	0.2	0
All other engineering technicians.....	190	0.6	(nc)

See explanatory information and SOURCE at end of table.

[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Costume jewelry and notions (SIC 3960)			
Scientific and technical personnel	230	1.1	(nc)
Scientists	90	0.4	(nc)
Computer analysts.....	90	0.4	(nc)
Engineers	100	0.5	(nc)
Industrial.....	70	0.3	3
Mechanical.....	30	0.2	10
Technicians	40	0.2	(nc)
All other engineering technicians.....	40	0.2	(nc)
Miscellaneous manufactures (SIC 3990)			
Scientific and technical personnel	4,210	2.4	(nc)
Scientists	330	0.2	(nc)
Physical scientists.....	60	<	(nc)
All other physical scientists.....	60	<	(nc)
Computer analysts.....	270	0.2	(nc)
Managers of scientific and technical personnel	340	0.2	3
Engineers	1,490	0.9	(nc)
Industrial.....	200	0.1	4
Mechanical.....	430	0.3	3
Other, n.e.c.....	860	0.5	(nc)

See explanatory information and SOURCE at end of table.

Industry and SET occupation	Filled positions	SET intensity ¹	Relative standard error
Miscellaneous manufactures (SIC 3990) -- continued:			
Technicians.....	2,050	1.2	(nc)
Computer programmer.....	250	0.1	3
Drafter.....	1,110	0.6	8
Mechanical engineering technicians.....	200	0.1	11
All other engineering technicians.....	440	0.3	(nc)
Physical and life science technicians.....	50	<	(nc)
All other physical and life science technicians.....	50	<	(nc)

¹SET intensity = the ratio of SET employment (including SET managers) in a given SIC to total employment in that SIC, expressed in percentage terms.

NOTE: Because of rounding, components may not add to totals.

KEY:

- nc = Not computed
- < = The estimated actual value is less than 0.05 for percentages. For relative standard error, < = a small value rounded to 0. Estimated actual values of zero for relative standard error are shown as 0.
- 0 = Data were collected and the reported number or value was zero.
- n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, using data from U.S. Department of Labor/Bureau of Labor Statistics, Occupational Employment Statistics Survey